Training seminar

Accessibility, inclusion and rehabilitation using IT

5 - 9 November 2018
Palma de Mallorca

Objectives

The main objective of this seminar is to establish an open exchange dedicated to the presentation and discussion about accessibility, inclusion and rehabilitation using Information Technologies.

In this context Information Technologies refers to the development, maintenance, and use of computer systems, software, and networks for the processing and distribution of data specific to the community or individual in relation to issues of accessibility, inclusion and/or rehabilitation.

Attendees are encouraged to present their specific research that aligns with the general framework of the topic of this training seminar, such as prevention, diagnosis, therapy, rehabilitation, long-term care, or telemedicine.

Erasmus+

eHealth Eurocampus

LIRMM

Universitat de Montpellier

Euroregió Pirineus Mediterrània
Eurorégion Pyrénées-Méditerranée
Eurorregión Pirineos Mediterráneo

Hochschule Ulm

UIB Universitat de les Illes Balears

Institut National Universitaire Champollion

UPC Universitat Politècnica de Catalunya BarcelonaTech

University of Cyprus

FundacióBit
Fundació balear d'innovació i tecnologia

Prifysgol Glyndŵr University

Sant Joan de Déu Research Foundation

Topics

- IT for rehabilitation
- Robotics on eHealth
- Assisted living technologies
- Practical applications of eHealth
- Image and video processing on eHealth
- eHealth for public health and eHealth for aging
- IT for the inclusion for people with different abilities and preferences
- Design, evaluation, and use of IT to benefit people with disabilities and elderly people
- Information technologies to accessibility to enable people with functional limitation to perform tasks that they were formerly unable to accomplish

Format

The Training Seminar will consist on a mix of long and short sessions that combine lectures, workshops and time for discussion. It will also include a visit to the High Polytechnic School of the University of the Balearic Islands and to the technological parc ParcBit.

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Training seminar
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eHealth Eurocampus

Universitat de les Illes Balears

Venue

Edifci Sa Riera, Universitat de les Illes Balears
C/ de Miquel dels Sants Oliver, 2
Palma, Mallorca, Spain.

http://www.uib.cat/lauib/localitzacio/Sa-Riera/Situacio/

Programme

Monday 5th	Tuesday 6th	Wednesday 7th	Thursday 8th	Friday 9th
Registration				
Welcome				
Session 1.1	Session 2.1	Visit to UIB-EPS	Session 3.1	Session 4.1
Coffe break	Coffe break	Coffe break	Coffe break	Coffe break
Keynote	Session 2.2	Visit to UIB-FIF	Session 3.2	Session 4.2
Lunch	Lunch	Lunch	Lunch	Lunch
Session 1.2	Session 2.3	Visit to ParcBit	Session 3.3	Conclusion
			Closing dinner	

Session 1.1 - AirTech2018 Conference

- Coach Assistant via Projected and Tangible Interface - E. Eliadou et. al.
- Use of blockchain methods for data integrity in information systems in healthcare - T. Kesztyüs et. al.
- Energy-Efficient and Delay-Constrained MAC for Periodical Traffic in SmartBANs - J. Ramis-Bibiloni et. al.

Keynote - Let's change before we have to - M. Cabrer

Session 1.2 - AirTech2018 Conference

- Towards a Computer-Supported Collaborative Learning Approach for Deaf Children - L. Flórez et. al.
- Clinical evaluation of a mobile app for therapeutic exercise for neck pain - K. San-Sebastián et. al.
- Robot companion cats for people living with dementia: a case study on companotics - J. Pike et. al.
- MyProprioception: an iPhone app to assess range of motion and proprioception - N. Romero et. al.

Session 2.1 - Humanization of technology applied to teaching in health studies - A. Graells, E. Insa, M. Figueras - FSJD

Session 2.2 - Obtaining a normal dataset of the themography of the human body - T. Kesztyüs - HSU

Session 2.3 - PRISM: The Palma Robot Interaction System Model - R. Picking, J. Pike, D. Oram - GWU

Session 3.1 - Applications of Item Response Theory to e-Health - I. García - UIB

Session 3.2 - Using AI techniques for healthcare. Application in a smart rollator - A. Cortes - UPC

Session 3.3 - Patient empowerment for ehealth services - M. Pittara - UCY

Session 4.1 - Robotic assistance in Minimally invasive and Endoluminal surgery - S. Abdelaziz - UM

Session 4.2 - From personalized medicine to health policy making support through AI and data science - K. Gibert - UPC